

# *Appendix H*

## *Summary of Direct Radiation Monitoring Data*



*An Environmental TLD Package*

**Table H - 1**

**Summary of 1998 Quarterly Averages of Off-site TLD Measurements  
( $mR \pm 3 SD/Quarter$ )**

<b>Location Number*</b>	<b>1st Quarter</b>	<b>2nd Quarter</b>	<b>3rd Quarter</b>	<b>4th Quarter</b>	<b>Location Average</b>
DFTLD01	15±2.8	20±12.9	19±4.8	18±5.0	18±6.4
DFTLD02	18±6.2	23±4.4	19±2.7	18±3.9	20±4.3
DFTLD03	16±2.6	16±5.1	16±5.9	17±3.2	16±4.2
DFTLD04	18±7.2	18±5.4	17±1.9	21±3.8	19±4.6
DFTLD05	16±2.8	22±4.9	16±4.0	19±2.3	18±3.5
DFTLD06	13±3.4	16±5.5	16±2.6	16±1.1	15±3.2
DFTLD07	13±4.5	17±4.1	17±7.5	18±3.3	16±4.9
DFTLD08	14±3.5	17±6.1	16±2.3	20±3.4	17±3.8
DFTLD09	14±6.5	16±5.0	18±6.9	18±3.6	17±5.5
DFTLD10	16±3.4	17±3.9	17±2.6	18±4.4	17±3.6
DFTLD11	12±1.4	16±6.3	13±2.8	15±3.3	14±3.5
DFTLD12	13±1.5	14±3.1	18±4.7	21±6.2	17±3.9
DFTLD13	17±2.6	19±6.2	19±0.9	19±1.2	19±2.7
DFTLD14	18±5.5	21±5.4	17±2.4	20±2.1	19±3.9
DFTLD15	14±4.3	17±7.4	15±3.3	19±3.8	16±4.7
DFTLD16	17±5.4	21±8.7	16±1.0	20±8.9	19±6.0
DFTLD17**	18±5.3	21±5.7	18±3.4	20±3.3	19±4.4
DFTLD20	14±1.8	20±12.3	15±3.3	17±3.8	17±5.3
DFTLD21	14±2.1	18±7.2	20±3.7	19±3.8	18±4.2
DFTLD22	14±3.1	16±6.4	19±2.7	19±1.9	17±3.5
DFTLD23**	16±5.2	19±5.7	18±1.8	18±2.5	18±3.8
DFTLD37**	16±2.2	18±4.6	18±3.8	18±4.6	18±3.8
DFTLD41**	14±4.1	23±5.4	15±1.6	22±8.2	19±4.8

\* Off-site locations are shown on Figures A-11 (p. A-13) and A-12 (p. A-14).

\*\* Background measurements are provided by off-site TLDs 17, 23, 37, and 41.

**Table H - 2**

**Summary of 1998 Quarterly Averages of On-site TLD Measurements  
( $mR \pm 3 SD/Quarter$ )**

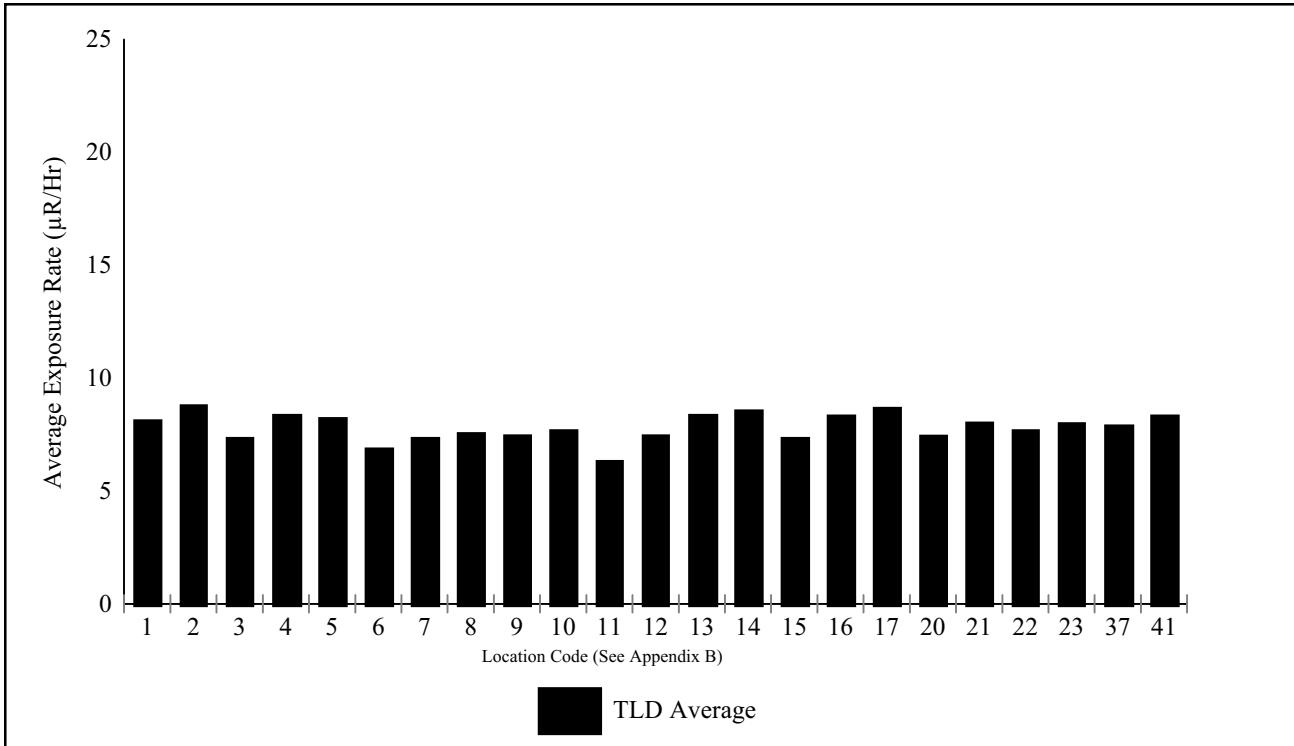
<b>Location Number*</b>	<b>1st Quarter</b>	<b>2nd Quarter</b>	<b>3rd Quarter</b>	<b>4th Quarter</b>	<b>Location Average</b>
DNTLD18	28±5.2	36±3.4	27±2.6	30±3.8	30±3.8
DNTLD19	18±3.0	25±9.1	20±5.6	21±4.8	21±5.6
DNTLD24	713±18.1	717±30.1	662±27.7	660±23.0	688±24.7
DNTLD25	23±4.9	29±6.0	23±1.7	28±4.2	26±4.2
DNTLD26	19±3.2	30±1.2	21±3.7	24±4.7	24±3.2
DNTLD27	16±1.0	20±1.4	20±4.6	20±2.7	19±2.4
DNTLD28	16±2.3	26±9.4	21±3.1	22±2.7	21±4.4
DNTLD29	17±3.1	23±6.3	21±4.6	19±2.9	20±4.2
DNTLD30	23±5.6	23±6.9	23±3.9	22±2.9	23±4.8
DNTLD31	20±1.5	20±8.3	18±5.9	19±7.2	19±5.7
DNTLD32	25±3.8	30±2.9	28±3.6	36±9.0	30±4.8
DNTLD33	29±2.9	33±5.8	30±3.3	32±4.1	31±4.0
DNTLD34	50±6.4	56±4.7	49±6.7	53±5.7	52±5.9
DNTLD35	83±11.0	80±2.3	79±5.6	78±5.0	80±6.0
DNTLD36	34±2.4	40±5.0	36±4.1	39±4.1	37±3.9
DNTLD38	29±2.4	33±6.2	30±2.9	33±5.9	31±4.4
DNTLD39	47±6.1	52±2.5	48±3.1	51±2.8	50±3.6
DNTLD40	106±4.4	120±14.9	136±4.2	175±5.3	134±7.2
DNTLD42	100±14.0	91±9.0	82±4.9	86±3.1	90±7.8
DNTLD43	29±5.0	31±4.6	27±2.6	31±5.5	30±4.4

\* On-site locations are shown on Figure A-10 (p. A-12).

**Table H - 3**

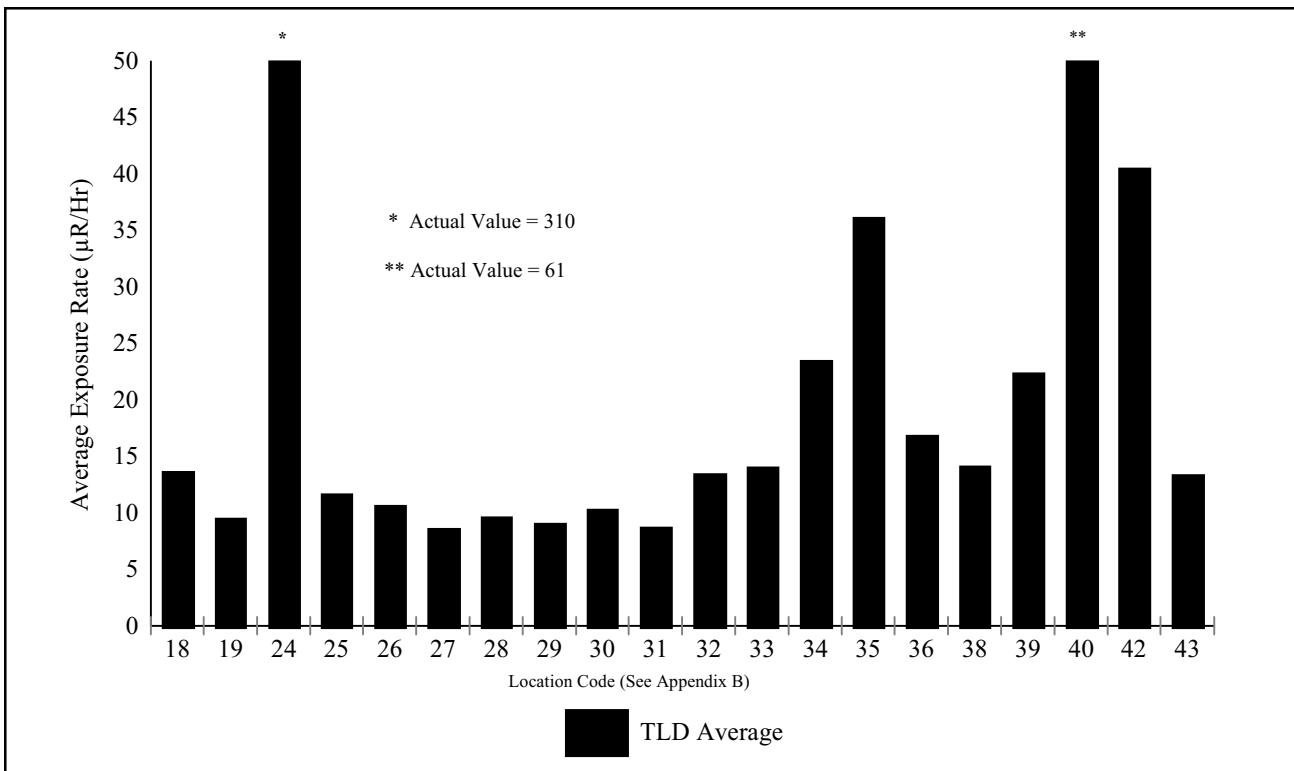
**3rd Quarter 1998 TLD Results and Instantaneous Dose Readings ( $\mu\text{R}/\text{hr}$ ) with a High-pressure Ion Chamber (HPIC) at Each Monitoring Location**

<i>Off-site Location Number</i>	<i>3rd Quarter TLD Result</i>	<i>August 1998 HPIC Results</i>	<i>On-site Location Number</i>	<i>3rd Quarter TLD Result</i>	<i>August 1998 HPIC Results</i>
DFTLD01	8.71	9.67	DNTLD18	12.4	16.2
DFTLD02	8.70	8.87	DNTLD19	9.16	11.2
DFTLD03	7.33	8.60	DNTLD24	303	420
DFTLD04	7.78	8.40	DNTLD25	10.5	12.2
DFTLD05	7.33	9.77	DNTLD26	9.61	11.0
DFTLD06	7.33	9.40	DNTLD27	9.16	9.60
DFTLD07	7.78	8.43	DNTLD28	9.61	9.43
DFTLD08	7.32	9.17	DNTLD29	9.61	10.5
DFTLD09	8.24	9.17	DNTLD30	10.5	11.7
DFTLD10	7.78	9.10	DNTLD31	8.24	10.1
DFTLD11	5.95	9.47	DNTLD32	12.8	16.4
DFTLD12	8.24	9.17	DNTLD33	13.7	15.6
DFTLD13	8.70	9.03	DNTLD34	22.4	27.3
DFTLD14	7.78	8.90	DNTLD35	36.2	41.3
DFTLD15	6.87	8.73	DNTLD36	16.5	17.3
DFTLD16	7.32	8.53	DNTLD38	13.7	16.9
DFTLD17	8.24	8.80	DNTLD39	21.0	24.1
DFTLD20	6.87	9.20	DNTLD40	62.2	63.2
DFTLD21	9.14	8.97	DNTLD42	37.5	13.2
DFTLD22	8.70	10.4	DNTLD43	12.4	14.3
DFTLD23	8.24	9.63			
DFTLD37	8.24	9.33			
DFTLD41	6.87	8.80			



**Figure H - 1**

**1998 Average Yearly Gamma Exposure Rates around the West Valley Demonstration Project Site**



**Figure H - 2**

**1998 Average Yearly Gamma Exposure Rates on the West Valley Demonstration Project Site**